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Cumulative Michigan COVID-19 Data

Michigan COVID-19 State Data

10-20-2020

2020-10-20_MichiganOverview_COVIDstats

Michigan Department of Health & Human Services

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Coronavirus

CORONAVIRUS / MICHIGAN DATA

Michigan Data



**DATA ABOUT
PLACES**

LONG TERM CARE FACILITIES

**CORONAVIRUS
SYMPTOMS**

**CUMULATIVE
RECOVERED**

**OUTBREAK
REPORTING**

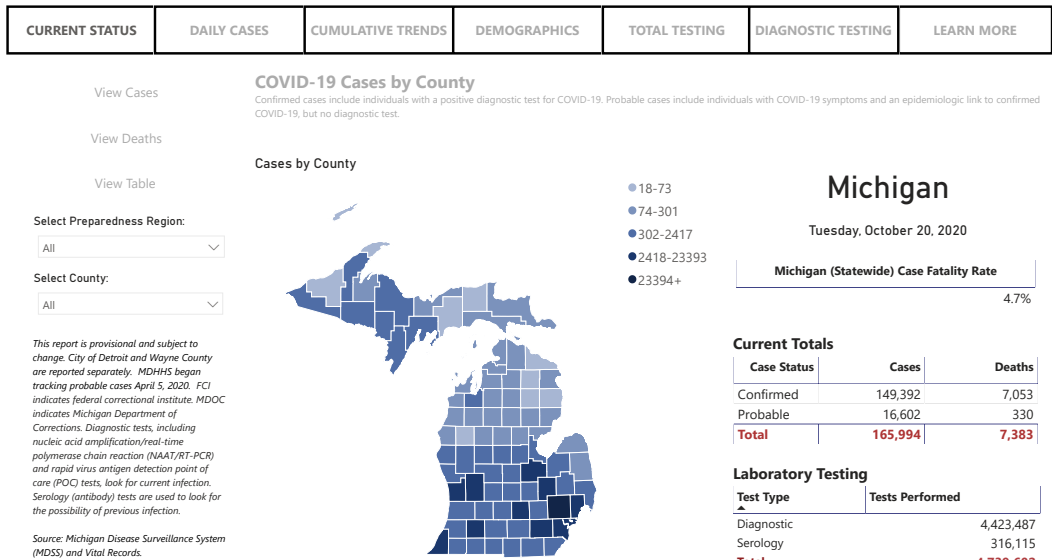
**SCHOOL-RELATED
OUTBREAK REPORTING**

10/20/2020

Coronavirus - Michigan Data

Note on deaths (10/20/20): Regular reviews of death certificate data maintained in Vital Records reporting systems are conducted by MDHHS staff three times per week. As a part of this process, records that identify COVID-19 infection as a contributing factor to death are compared against all laboratory confirmed cases of COVID-19 in the Michigan Disease Surveillance System (MDSS). If a death certificate is matched to a confirmed COVID-19 case and that record in the MDSS does not indicate the individual died, the MDSS record is updated to indicate the death and the appropriate local health department is notified. These matched deaths are then included with mortality information posted to the Michigan Coronavirus website. As a result of the most recent assessment, today's data includes **1** additional death identified by this methodology.

The State of Michigan is working around the clock to test and treat COVID-19 patients. Below is the most recent data healthcare experts across the state have compiled. It is updated Monday - Saturday.



Cases by Hispanic/Latino Ethnicity

Hispanic/Latino Ethnicity	Percentage of Overall Cases by Ethnicity	Percentage of Deceased Cases by Ethnicity
Hispanic/Latino	8%	3%
Non-Hispanic Latino	71%	86%
Unknown	21%	12%

Totals may not add to 100% due to rounding

Cases by Arab Ethnicity

Arab Ethnicity	Percentage of Overall Cases by Ethnicity	Percentage of Deceased Cases by Ethnicity
Arab	4%	2%
Non-Arab	57%	48%
Unknown	39%	50%

Totals may not add to 100% due to rounding

PUBLIC USE DATASETS 10/20/2020

(Downloadable .xlsx files)

Cases and Deaths by County

Cases and Deaths by County by Date

Cases  Demographics Statewide

COVID-19 Tests by County

Diagnostic Tests by Result and County

Cumulative Total of Recovered COVID-19 Cases

Cumulative Total of Recovered COVID-19 Cases (as of 10/17/2020): **109,539**

Note on recovery: During this response, MDHHS is reviewing vital records statistics to identify any laboratory confirmed COVID-19 cases who are 30 days out from their onset of illness to represent recovery status. As the pandemic continues to impact Michigan, this pool will expand to include more cases. Recovered is defined as the number of persons with a confirmed COVID-19 diagnosis who are alive 30 days post-onset (or referral date if onset is not available). The number of persons recovered on October 16, 2020 represents COVID-19 confirmed individuals with an onset date on or prior to September 16, 2020. If an individual dies from a COVID-related cause >30 days from onset/referral, they are removed from the number of persons recovered. These numbers will be updated every Saturday.

Source: Michigan Disease Surveillance System and Vital Records

View Cases

View Deaths

View Table

Select Preparedness Region:

All

Select County:

All

This report is provisional and subject to change. City of Detroit and Wayne County are reported separately. MDHHS began tracking probable cases April 5, 2020. FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections. Diagnostic tests, including nucleic acid amplification/real-time polymerase chain reaction (NAAT/RT-PCR) and rapid virus antigen detection point of care (POC) tests, look for current infection. Serology (antibody) tests are used to look for the possibility of previous infection.

Source: Michigan Disease Surveillance System (MDSS) and Vital Records.

COVID-19 Cases by County

Confirmed cases include individuals with a positive diagnostic test for COVID-19. Probable cases include individuals with COVID-19 symptoms and an epidemiologic link to confirmed COVID-19, but no diagnostic test.

Cases by County

18-73

74-301

302-2417

2418-23393

23394+

Michigan

Tuesday, October 20, 2020

Michigan (Statewide) Case Fatality Rate

4.7%

Current Totals

Case Status	Cases	Deaths
Confirmed	149,392	7,053
Probable	16,602	330
Total	165,994	7,383

Laboratory Testing

Test Type	Tests Performed
Diagnostic	4,423,487
Serology	316,115
Total	4,739,602

View Cases

View Deaths

View Table

Select Preparedness Region:

All

Select County:

All

This report is provisional and subject to change. City of Detroit and Wayne County are reported separately. MDHHS began tracking probable cases April 5, 2020. FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections. Diagnostic tests, including nucleic acid amplification/real-time polymerase chain reaction (NAAT/RT-PCR) and rapid virus antigen detection point of care (POC) tests, look for current infection. Serology (antibody) tests are used to look for the possibility of previous infection.

Source: Michigan Disease Surveillance System (MDSS) and Vital Records.

COVID-19 Deaths by County

Confirmed deaths include individuals who had a confirmed COVID-19 infection and are classified as deceased by the case investigation, have COVID-19 indicated as a cause of death on their death certificate, or who die within 30 days of infection and their manner of death is listed as natural. Probable deaths include individuals who have COVID indicated on their death certificate, but have not had a positive diagnostic test.

Deaths by County

0

1-4

5-26

27-178

179-1662

1663+

Michigan

Tuesday, October 20, 2020

Michigan (Statewide) Case Fatality Rate

4.7%

Current Totals

Case Status	Cases	Deaths
Confirmed	149,392	7,053
Probable	16,602	330
Total	165,994	7,383

Laboratory Testing

Test Type	Tests Performed
Diagnostic	4,423,487
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Confirmed Cases

Deaths

View Table

Select Preparedness Region:

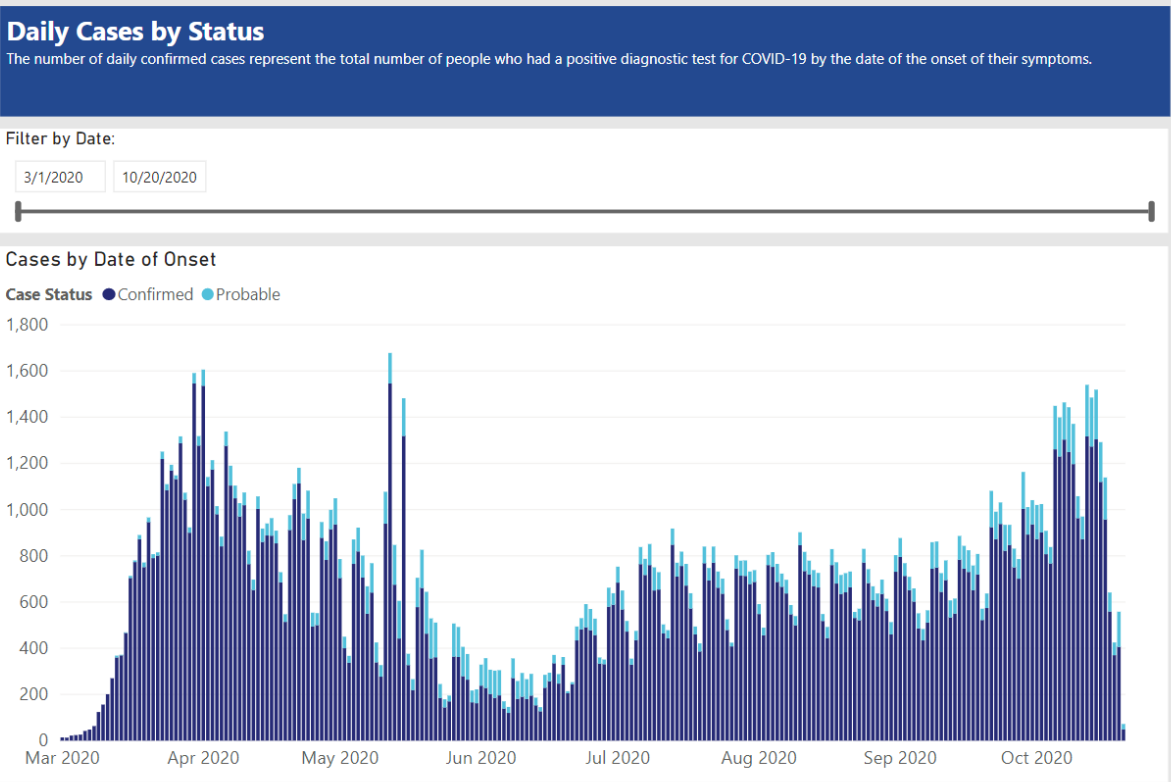
All

Select County:

All

Cases are shown by onset date or by lab specimen collection date if onset date was unavailable. Deaths are shown by date of death or date of last status update if date of death was unavailable. Tracking of probable cases and deaths did not begin until April 5, 2020, therefore only probable cases referred for investigation on or after April 5, 2020 are displayed (onset may have been prior).

Notes: FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections.



Confirmed Cases

Deaths

View Table

Select Preparedness Region:

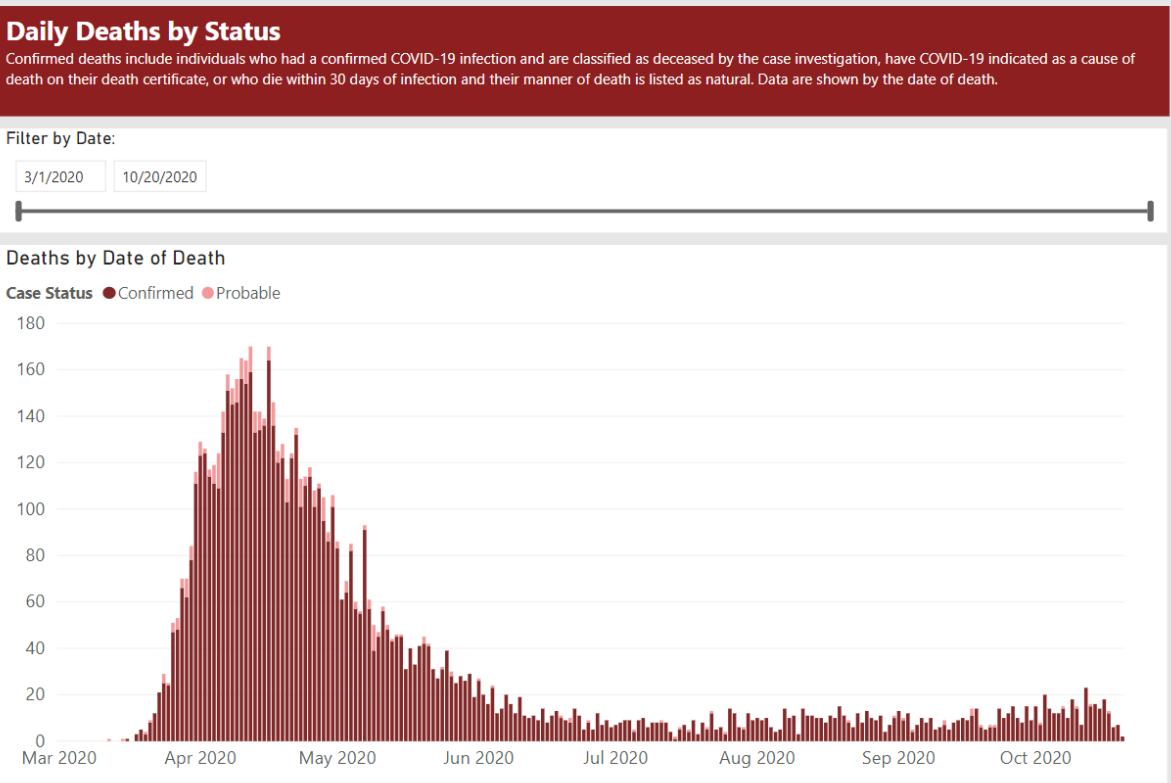
All

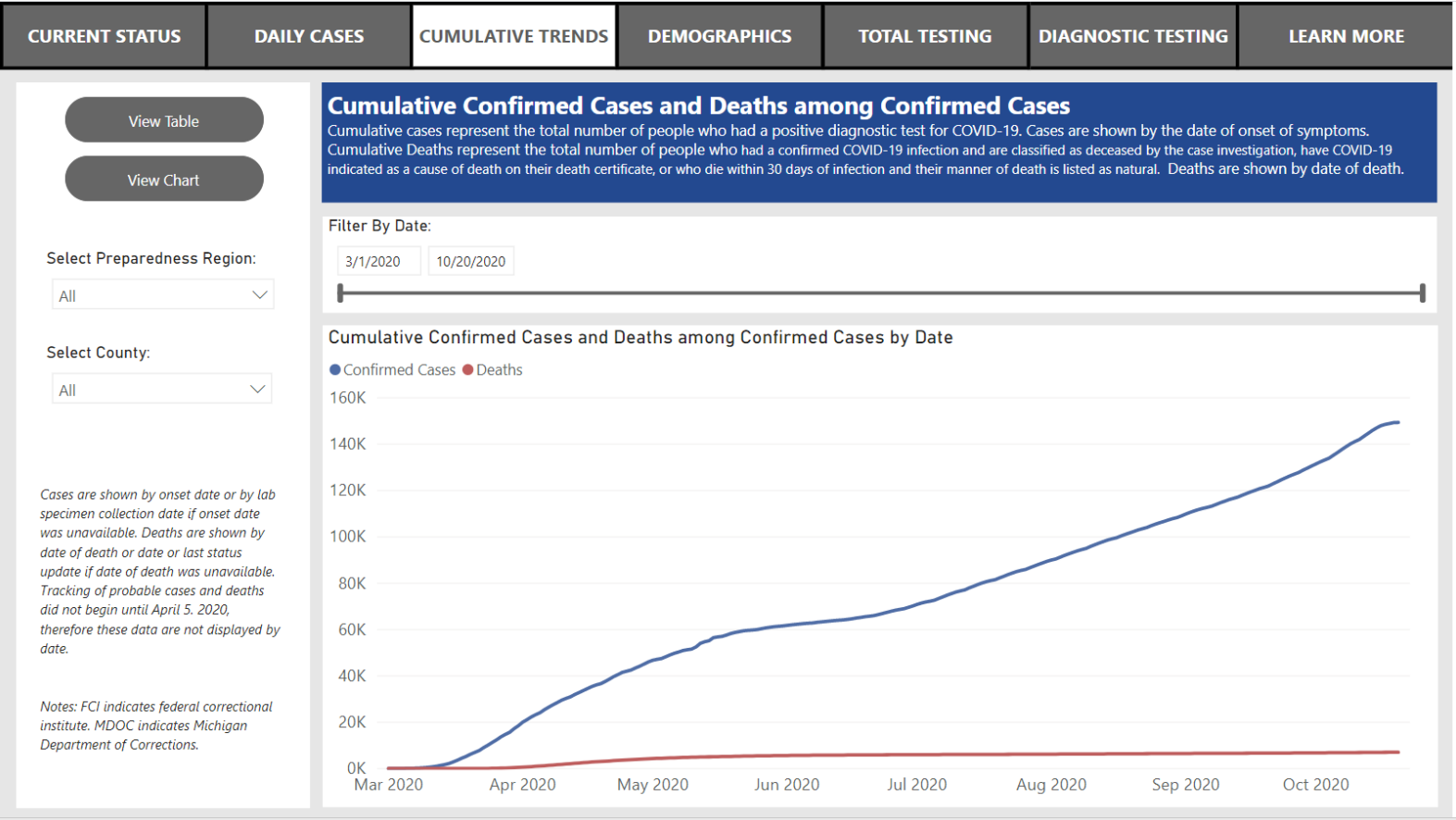
Select County:

All

Cases are shown by onset date or by lab specimen collection date if onset date was unavailable. Deaths are shown by date of death or date of last status update if date of death was unavailable. Tracking of probable cases and deaths did not begin until April 5, 2020, therefore only probable cases referred for investigation on or after April 5, 2020 are displayed (onset may have been prior).

Notes: FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections.





Cases by Demographic Characteristics

Data are suppressed when the number of cases is five or below to protect the confidentiality of individuals. The sum of the cases for individual categories may be fewer than the total number of cases due to data suppression. Rates are not calculated for multiple races, other, and unknown race categories due to the unavailability of an appropriate denominator.

Cases

Deaths

Select case status:

☐ Confirmed

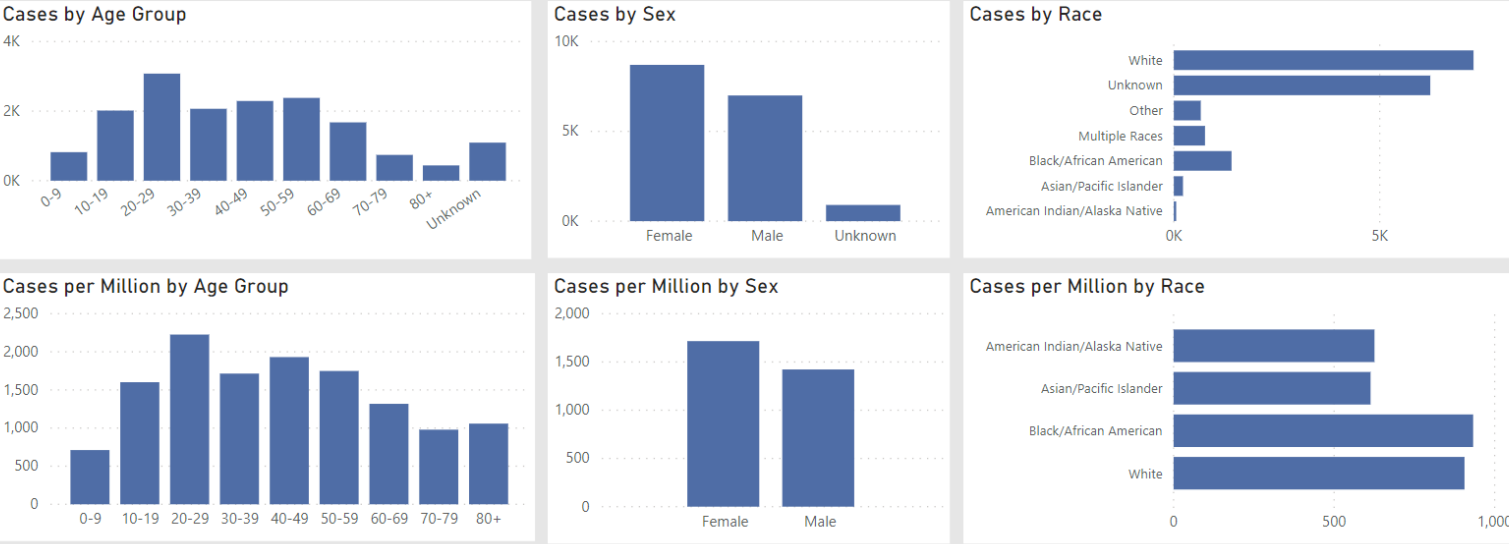
☒ Probable

Select Preparedness Region:

All

Select county:

All



Deaths by Demographic Characteristics

Data are suppressed when the number of deaths is five or below to protect the confidentiality of individuals. The sum of the deaths for individual categories may be fewer than the total number of deaths due to data suppression. Rates are not calculated for multiple races, other, and unknown race categories due to the unavailability of an appropriate denominator.

Cases

Deaths

Select case status:

☒ Confirmed

☐ Probable

Select Preparedness Region:

All

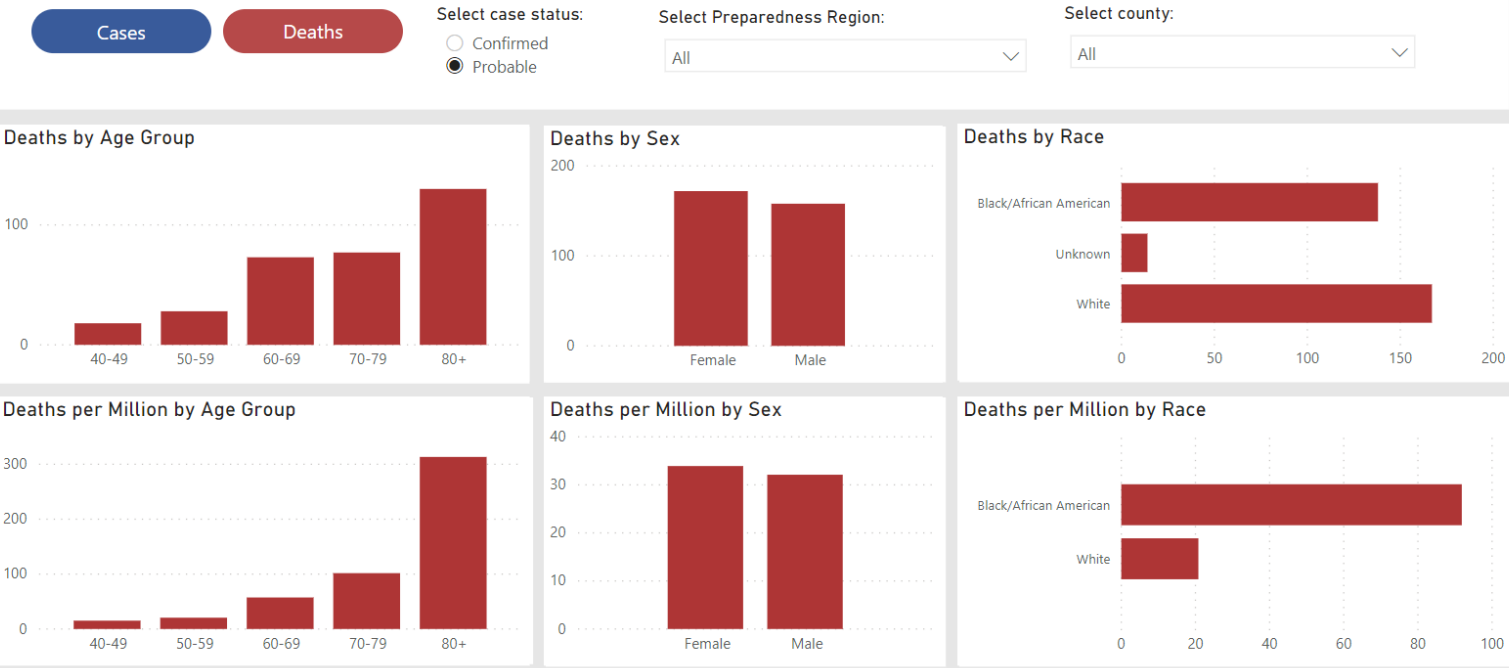
Select county:

All



Deaths by Demographic Characteristics

Data are suppressed when the number of deaths is five or below to protect the confidentiality of individuals. The sum of the deaths for individual categories may be fewer than the total number of deaths due to data suppression. Rates are not calculated for multiple races, other, and unknown race categories due to the unavailability of an appropriate denominator.



View Table

View Charts

Select Preparedness Region:

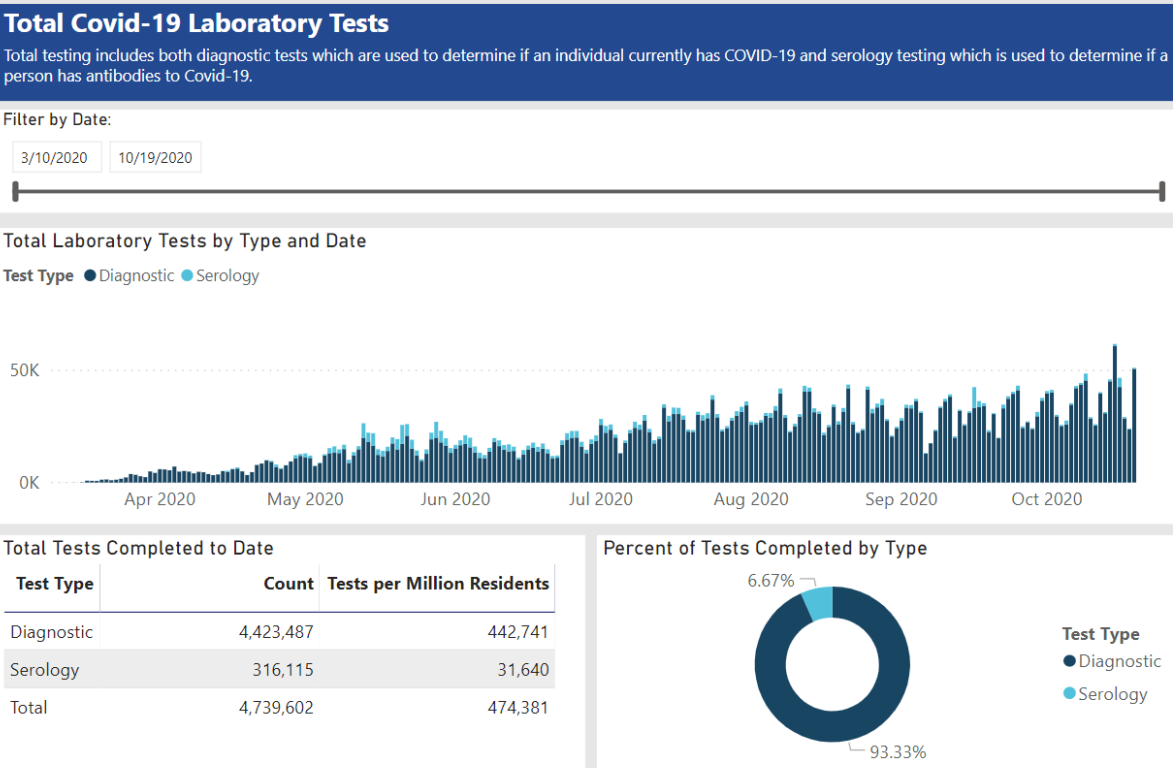
All

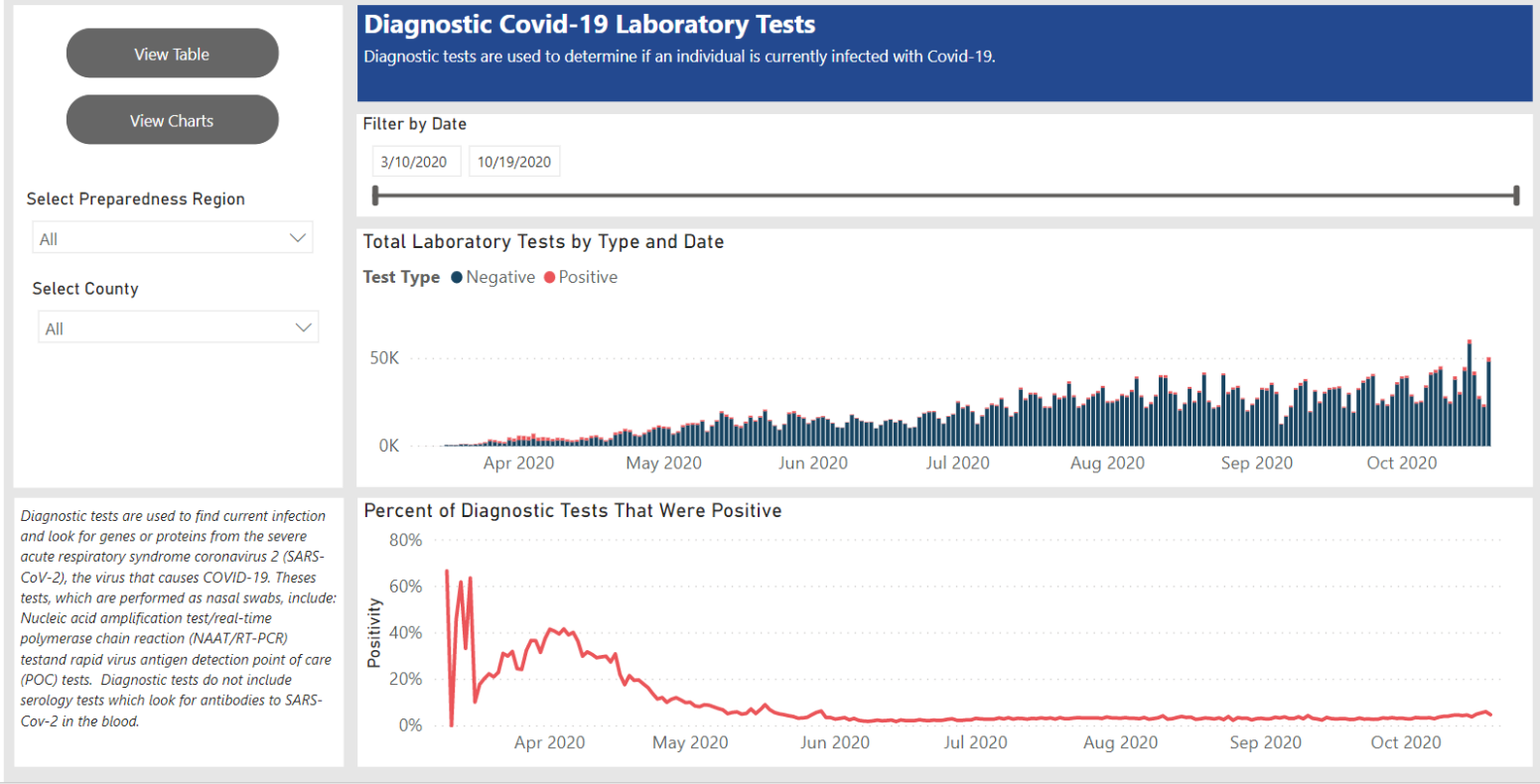
Select County:

All

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Serology tests are used to look for the possibility of previous infection. Serology tests look for antibodies to SARS-CoV-2 in the blood. There are currently two types of serology tests: the enzyme-linked immunosorbent assay (ELISA) test and the rapid antibody detection POC test. Serology tests do not diagnose disease and do not guarantee immunity, but might provide information about previous infection.





Where does the data come from?

The State of Michigan COVID-19 Dashboard displays the most recent provisional data reported to the Michigan Department of Health and Humans Services (MDHHS) about cases in Michigan by selected demographics and county of residence (City of Detroit and Wayne County are reported separately). Data are reported to MDHHS via the [Michigan Disease Surveillance System \(MDSS\)](#). Provisional Death data are provided by the MDHHS Division for [Vital Records & Health Statistics](#).

How does MDHHS classify confirmed and probable cases?

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19. Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

How does MDHHS classify confirmed and probable deaths?

Confirmed deaths include individuals who meet one or more of the following conditions: 1) Have been identified as a confirmed case and classified as deceased as a result of a case investigation in the Michigan Disease Surveillance System (MDSS). MDSS is the database used by state and local health department to monitor reportable diseases like COVID-19; 2) have been identified as a confirmed case in MDSS had have a death certificate with COVID-19 listed as a cause of death; 3) have been identified as a confirmed case in MDSS and die within 30 days of onset of COVID-19 infection and have a death certificate which classifies their manner death as 'natural'. Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

Why do the number of probable cases fluctuate?

The number of probable cases can change daily based on the investigation efforts of the health department. When a probable case is first reported, local and/or state health department staff investigate to determine if the person meets the case definition of probable. As additional information is gathered, the case could be re-classified to confirmed, remain as probable, or be determined as not a case.

Why do data in the demographics tab not sum to the total number of cases for a county or region?

Data are not shown whenever the number of cases for a particular demographic category is fewer than six to protect the confidentiality of individuals. Rates are not calculated for other, multiple, and unknown race because an appropriate population denominator is not available for these categories at the county level.

Where can I get more information about COVID-19?

Visit <https://www.michigan.gov/coronavirus> to find information on resources and assistance, answers to frequently asked questions, and the latest updates on Michigan's response to COVID-19. For COVID-19 updates from CDC visit <https://www.cdc.gov/coronavirus/2019-ncov>.

PUBLIC USE DATASETS

Cases and Deaths by County

README

Includes total cases and deaths to date by case status (confirmed or probable) and county.

County is based on the county of residence.

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19.

Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

Confirmed deaths include individuals who meet one or more of the following conditions: 1) Have been identified as a confirmed case and classified as deceased as a result of a case investigation in the Michigan Disease Surveillance System (MDSS). MDSS is the database used by state and local health department to monitor reportable diseases like COVID-19; 2) have been identified as a confirmed case in MDSS had have a death certificate with COVID-19 listed as a cause of death; 3) have been identified as a confirmed case in MDSS and die within 30 days of onset of COVID-19 infection and have a death certificate which classifies their manner death as 'natural'.

Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

The number of probable cases can change daily based on information obtained through the health department investigation. Probable cases can be re-classified as a confirmed case or determined to not be a case.

CASES AND DEATHS BY COUNTY 2020-10-20

Updated	COUNTY	ConfirmedCases	ConfirmedDeaths	ProbableCases	ProbableDeaths
2020/10/20 15:27:39	Alcona	43	2	8	0
2020/10/20 15:27:39	Alger	75	1	23	0
2020/10/20 15:27:39	Allegan	974	7	114	0
2020/10/20 15:27:39	Alpena	133	14	22	0
2020/10/20 15:27:39	Antrim	89	0	13	0
2020/10/20 15:27:39	Arenac	81	3	8	0
2020/10/20 15:27:39	Baraga	62	4	12	0
2020/10/20 15:27:39	Barry	497	5	55	0
2020/10/20 15:27:39	Bay	1146	55	108	0
2020/10/20 15:27:39	Benzie	100	2	9	0
2020/10/20 15:27:39	Berrien	2191	79	227	1
2020/10/20 15:27:39	Branch	702	9	97	1
2020/10/20 15:27:39	Calhoun	2065	52	243	2
2020/10/20 15:27:39	Cass	799	23	76	0
2020/10/20 15:27:39	Charlevoix	123	4	16	0
2020/10/20 15:27:39	Cheboygan	101	2	17	0
2020/10/20 15:27:39	Chippewa	66	0	44	0
2020/10/20 15:27:39	Clare	200	8	19	0
2020/10/20 15:27:39	Clinton	817	14	101	0
2020/10/20 15:27:39	Crawford	130	5	9	0
2020/10/20 15:27:39	Delta	886	18	141	1
2020/10/20 15:27:39	Dickinson	487	9	10	1
2020/10/20 15:27:39	Eaton	892	10	92	0
2020/10/20 15:27:39	Emmet	178	4	13	0
2020/10/20 15:27:39	Genesee	5122	301	982	26
2020/10/20 15:27:39	Gladwin	141	2	25	0
2020/10/20 15:27:39	Gogebic	218	1	84	1
2020/10/20 15:27:39	Grand Traverse	594	13	72	0
2020/10/20 15:27:39	Gratiot	356	16	61	0
2020/10/20 15:27:39	Hillsdale	419	26	43	1
2020/10/20 15:27:39	Houghton	710	7	149	0
2020/10/20 15:27:39	Huron	216	5	43	0
2020/10/20 15:27:39	Ingham	4262	61	88	0
2020/10/20 15:27:39	Ionia	547	7	39	0
2020/10/20 15:27:39	Iosco	224	14	46	1
2020/10/20 15:27:39	Iron	349	19	33	1
2020/10/20 15:27:39	Isabella	829	15	109	0
2020/10/20 15:27:39	Jackson	1540	60	33	2
2020/10/20 15:27:39	Kalamazoo	3472	99	818	3
2020/10/20 15:27:39	Kalkaska	98	4	18	0
2020/10/20 15:27:39	Kent	11909	176	905	3
2020/10/20 15:27:39	Keweenaw	17	0	1	0
2020/10/20 15:27:39	Lake	51	0	4	0
2020/10/20 15:27:39	Lapeer	683	37	139	1
2020/10/20 15:27:39	Leelanau	125	2	11	0
2020/10/20 15:27:39	Lenawee	983	18	52	0
2020/10/20 15:27:39	Livingston	1563	31	254	1

2020/10/20 15:27:39	Luce	32	0	11	0
2020/10/20 15:27:39	Mackinac	114	0	29	0
2020/10/20 15:27:39	Macomb	16274	1017	941	49
2020/10/20 15:27:39	Manistee	109	3	6	0
2020/10/20 15:27:39	Marquette	730	12	129	0
2020/10/20 15:27:39	Mason	171	1	17	0
2020/10/20 15:27:39	Mecosta	385	4	19	0
2020/10/20 15:27:39	Menominee	548	3	79	0
2020/10/20 15:27:39	Midland	703	13	137	0
2020/10/20 15:27:39	Missaukee	65	1	17	0
2020/10/20 15:27:39	Monroe	1645	30	206	1
2020/10/20 15:27:39	Montcalm	479	8	42	0
2020/10/20 15:27:39	Montmorency	19	0	2	0
2020/10/20 15:27:39	Muskegon	1766	76	71	0
2020/10/20 15:27:39	Newaygo	521	3	18	0
2020/10/20 15:27:39	Oakland	18872	1177	4522	51
2020/10/20 15:27:39	Oceana	542	6	32	0
2020/10/20 15:27:39	Ogemaw	72	5	18	0
2020/10/20 15:27:39	Ontonagon	68	0	5	0
2020/10/20 15:27:39	Osceola	114	0	12	0
2020/10/20 15:27:39	Oscoda	35	1	19	0
2020/10/20 15:27:39	Otsego	190	11	25	0
2020/10/20 15:27:39	Ottawa	4276	67	221	5
2020/10/20 15:27:39	Presque Isle	35	1	6	0
2020/10/20 15:27:39	Roscommon	115	5	25	0
2020/10/20 15:27:39	Saginaw	3258	144	217	5
2020/10/20 15:27:39	Sanilac	164	6	7	1
2020/10/20 15:27:39	Schoolcraft	51	0	3	0
2020/10/20 15:27:39	Shiawassee	599	32	37	1
2020/10/20 15:27:39	St Clair	1131	62	208	1
2020/10/20 15:27:39	St Joseph	931	12	152	0
2020/10/20 15:27:39	Tuscola	523	34	77	0
2020/10/20 15:27:39	Van Buren	872	16	95	2
2020/10/20 15:27:39	Washtenaw	4301	116	566	0
2020/10/20 15:27:39	Wayne	20557	1312	1863	50
2020/10/20 15:27:39	Wexford	136	4	17	0
2020/10/20 15:27:39	MDOC	6262	75	5	0
2020/10/20 15:27:39	FCI	192	5	5	0
2020/10/20 15:27:39	Out-of-State	239	1	20	1
2020/10/20 15:27:39	Unknown	4	0	18	0
2020/10/20 15:27:39	Detroit City	15027	1546	1217	117

PUBLIC USE DATASETS

Cases by Demographics Statewide

README

Includes the total number of confirmed and probable cases and confirmed and probable deaths to date by demographic characteristics

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19.

Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

Confirmed deaths include individuals who meet one or more of the following conditions: 1) Have been identified as a confirmed case and classified as deceased as a result of a case investigation in the Michigan Disease Surveillance System (MDSS). MDSS is the database used by state and local health department to monitor reportable diseases like COVID-19; 2) have been identified as a confirmed case in MDSS had have a death certificate with COVID-19 listed as a cause of death; 3) have been identified as a confirmed case in MDSS and die within 30 days of onset of COVID-19 infection and have a death certificate which classifies their manner death as 'natural'.

Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

The number of probable cases can change daily based on information obtained through the health department investigation. Probable cases can be re-classified as a confirmed case or determined to not be a case.

Data is suppressed when the number of cases or deaths in a single category is between one and five to protect the confidentiality of individuals.

CASES BY DEMOGRAPHICS STATEWIDE 2020-10-20

CASE_STATUS	AgeCat	RaceCat	SEX	Cases	Deaths
Confirmed	0-9	American Indian/Alaska Native	Female	13	0
Confirmed	10-19	American Indian/Alaska Native	Female	42	0
Confirmed	20-29	American Indian/Alaska Native	Female	80	0
Confirmed	30-39	American Indian/Alaska Native	Female	64	0
Confirmed	40-49	American Indian/Alaska Native	Female	58	0
Confirmed	50-59	American Indian/Alaska Native	Female	64	0
Confirmed	60-69	American Indian/Alaska Native	Female	36	Suppressed
Confirmed	70-79	American Indian/Alaska Native	Female	21	Suppressed
Confirmed	80+	American Indian/Alaska Native	Female	10	Suppressed
Confirmed	Unknown	American Indian/Alaska Native	Female	0	0
Confirmed	0-9	Asian/Pacific Islander	Female	30	0
Confirmed	10-19	Asian/Pacific Islander	Female	119	0
Confirmed	20-29	Asian/Pacific Islander	Female	290	0
Confirmed	30-39	Asian/Pacific Islander	Female	283	0
Confirmed	40-49	Asian/Pacific Islander	Female	280	Suppressed
Confirmed	50-59	Asian/Pacific Islander	Female	248	Suppressed
Confirmed	60-69	Asian/Pacific Islander	Female	134	Suppressed
Confirmed	70-79	Asian/Pacific Islander	Female	61	11
Confirmed	80+	Asian/Pacific Islander	Female	63	23
Confirmed	Unknown	Asian/Pacific Islander	Female	0	0
Confirmed	0-9	Black/African American	Female	213	Suppressed
Confirmed	10-19	Black/African American	Female	594	Suppressed
Confirmed	20-29	Black/African American	Female	2325	Suppressed
Confirmed	30-39	Black/African American	Female	2254	8
Confirmed	40-49	Black/African American	Female	2335	54
Confirmed	50-59	Black/African American	Female	2257	110
Confirmed	60-69	Black/African American	Female	2042	236
Confirmed	70-79	Black/African American	Female	1375	330
Confirmed	80+	Black/African American	Female	1064	441
Confirmed	Unknown	Black/African American	Female	Suppressed	0
Confirmed	0-9	Multiple Races	Female	102	0
Confirmed	10-19	Multiple Races	Female	499	0
Confirmed	20-29	Multiple Races	Female	1062	0
Confirmed	30-39	Multiple Races	Female	771	Suppressed
Confirmed	40-49	Multiple Races	Female	858	Suppressed
Confirmed	50-59	Multiple Races	Female	924	Suppressed
Confirmed	60-69	Multiple Races	Female	558	Suppressed
Confirmed	70-79	Multiple Races	Female	277	12
Confirmed	80+	Multiple Races	Female	238	23
Confirmed	Unknown	Multiple Races	Female	Suppressed	0
Confirmed	0-9	Other	Female	190	0
Confirmed	10-19	Other	Female	586	0
Confirmed	20-29	Other	Female	1051	0
Confirmed	30-39	Other	Female	750	Suppressed
Confirmed	40-49	Other	Female	738	Suppressed
Confirmed	50-59	Other	Female	498	Suppressed
Confirmed	60-69	Other	Female	331	15

Confirmed	70-79	Other	Female	168	16
Confirmed	80+	Other	Female	134	26
Confirmed	Unknown	Other	Female	0	0
Confirmed	0-9	Unknown	Female	156	0
Confirmed	10-19	Unknown	Female	860	0
Confirmed	20-29	Unknown	Female	1670	Suppressed
Confirmed	30-39	Unknown	Female	1308	0
Confirmed	40-49	Unknown	Female	1406	Suppressed
Confirmed	50-59	Unknown	Female	1437	7
Confirmed	60-69	Unknown	Female	1089	14
Confirmed	70-79	Unknown	Female	583	21
Confirmed	80+	Unknown	Female	658	35
Confirmed	Unknown	Unknown	Female	35	0
Confirmed	0-9	White	Female	772	0
Confirmed	10-19	White	Female	4712	0
Confirmed	20-29	White	Female	8636	Suppressed
Confirmed	30-39	White	Female	5155	10
Confirmed	40-49	White	Female	5272	27
Confirmed	50-59	White	Female	5890	73
Confirmed	60-69	White	Female	4513	192
Confirmed	70-79	White	Female	3216	436
Confirmed	80+	White	Female	3891	1206
Confirmed	Unknown	White	Female	28	0
Confirmed	0-9	American Indian/Alaska Native	Male	14	0
Confirmed	10-19	American Indian/Alaska Native	Male	34	0
Confirmed	20-29	American Indian/Alaska Native	Male	62	0
Confirmed	30-39	American Indian/Alaska Native	Male	56	0
Confirmed	40-49	American Indian/Alaska Native	Male	68	0
Confirmed	50-59	American Indian/Alaska Native	Male	58	Suppressed
Confirmed	60-69	American Indian/Alaska Native	Male	45	8
Confirmed	70-79	American Indian/Alaska Native	Male	24	6
Confirmed	80+	American Indian/Alaska Native	Male	8	Suppressed
Confirmed	Unknown	American Indian/Alaska Native	Male	0	0
Confirmed	0-9	Asian/Pacific Islander	Male	53	0
Confirmed	10-19	Asian/Pacific Islander	Male	107	0
Confirmed	20-29	Asian/Pacific Islander	Male	320	0
Confirmed	30-39	Asian/Pacific Islander	Male	269	0
Confirmed	40-49	Asian/Pacific Islander	Male	227	Suppressed
Confirmed	50-59	Asian/Pacific Islander	Male	210	Suppressed
Confirmed	60-69	Asian/Pacific Islander	Male	150	15
Confirmed	70-79	Asian/Pacific Islander	Male	67	16
Confirmed	80+	Asian/Pacific Islander	Male	41	17
Confirmed	Unknown	Asian/Pacific Islander	Male	0	0
Confirmed	0-9	Black/African American	Male	202	0
Confirmed	10-19	Black/African American	Male	629	0
Confirmed	20-29	Black/African American	Male	1906	11
Confirmed	30-39	Black/African American	Male	1983	29
Confirmed	40-49	Black/African American	Male	2123	74
Confirmed	50-59	Black/African American	Male	2418	202
Confirmed	60-69	Black/African American	Male	2203	349

Confirmed	70-79	Black/African American	Male	1350	422
Confirmed	80+	Black/African American	Male	630	315
Confirmed	Unknown	Black/African American	Male	Suppressed	0
Confirmed	0-9	Multiple Races	Male	138	Suppressed
Confirmed	10-19	Multiple Races	Male	462	0
Confirmed	20-29	Multiple Races	Male	821	0
Confirmed	30-39	Multiple Races	Male	623	Suppressed
Confirmed	40-49	Multiple Races	Male	657	Suppressed
Confirmed	50-59	Multiple Races	Male	691	Suppressed
Confirmed	60-69	Multiple Races	Male	502	21
Confirmed	70-79	Multiple Races	Male	252	15
Confirmed	80+	Multiple Races	Male	108	16
Confirmed	Unknown	Multiple Races	Male	Suppressed	0
Confirmed	0-9	Other	Male	214	0
Confirmed	10-19	Other	Male	647	0
Confirmed	20-29	Other	Male	1199	Suppressed
Confirmed	30-39	Other	Male	906	Suppressed
Confirmed	40-49	Other	Male	800	7
Confirmed	50-59	Other	Male	595	9
Confirmed	60-69	Other	Male	352	27
Confirmed	70-79	Other	Male	182	24
Confirmed	80+	Other	Male	80	16
Confirmed	Unknown	Other	Male	Suppressed	0
Confirmed	0-9	Unknown	Male	190	0
Confirmed	10-19	Unknown	Male	912	0
Confirmed	20-29	Unknown	Male	1866	0
Confirmed	30-39	Unknown	Male	1516	Suppressed
Confirmed	40-49	Unknown	Male	1416	10
Confirmed	50-59	Unknown	Male	1483	10
Confirmed	60-69	Unknown	Male	1071	18
Confirmed	70-79	Unknown	Male	528	25
Confirmed	80+	Unknown	Male	313	31
Confirmed	Unknown	Unknown	Male	28	0
Confirmed	0-9	White	Male	858	0
Confirmed	10-19	White	Male	3941	0
Confirmed	20-29	White	Male	7216	Suppressed
Confirmed	30-39	White	Male	4841	14
Confirmed	40-49	White	Male	4817	42
Confirmed	50-59	White	Male	5815	136
Confirmed	60-69	White	Male	4797	328
Confirmed	70-79	White	Male	3189	557
Confirmed	80+	White	Male	2303	886
Confirmed	Unknown	White	Male	20	0
Confirmed	0-9	American Indian/Alaska Native	Unknown	0	0
Confirmed	10-19	American Indian/Alaska Native	Unknown	0	0
Confirmed	20-29	American Indian/Alaska Native	Unknown	0	0
Confirmed	30-39	American Indian/Alaska Native	Unknown	0	0
Confirmed	40-49	American Indian/Alaska Native	Unknown	0	0
Confirmed	50-59	American Indian/Alaska Native	Unknown	0	0
Confirmed	60-69	American Indian/Alaska Native	Unknown	0	0

Confirmed	70-79	American Indian/Alaska Native	Unknown	Suppressed	0
Confirmed	80+	American Indian/Alaska Native	Unknown	0	0
Confirmed	Unknown	American Indian/Alaska Native	Unknown	0	0
Confirmed	0-9	Asian/Pacific Islander	Unknown	0	0
Confirmed	10-19	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	20-29	Asian/Pacific Islander	Unknown	0	0
Confirmed	30-39	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	40-49	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	50-59	Asian/Pacific Islander	Unknown	0	0
Confirmed	60-69	Asian/Pacific Islander	Unknown	0	0
Confirmed	70-79	Asian/Pacific Islander	Unknown	0	0
Confirmed	80+	Asian/Pacific Islander	Unknown	0	0
Confirmed	Unknown	Asian/Pacific Islander	Unknown	0	0
Confirmed	0-9	Black/African American	Unknown	Suppressed	0
Confirmed	10-19	Black/African American	Unknown	7	0
Confirmed	20-29	Black/African American	Unknown	Suppressed	0
Confirmed	30-39	Black/African American	Unknown	Suppressed	0
Confirmed	40-49	Black/African American	Unknown	Suppressed	0
Confirmed	50-59	Black/African American	Unknown	6	0
Confirmed	60-69	Black/African American	Unknown	Suppressed	0
Confirmed	70-79	Black/African American	Unknown	Suppressed	0
Confirmed	80+	Black/African American	Unknown	Suppressed	0
Confirmed	Unknown	Black/African American	Unknown	0	0
Confirmed	0-9	Multiple Races	Unknown	0	0
Confirmed	10-19	Multiple Races	Unknown	6	0
Confirmed	20-29	Multiple Races	Unknown	7	0
Confirmed	30-39	Multiple Races	Unknown	Suppressed	0
Confirmed	40-49	Multiple Races	Unknown	Suppressed	0
Confirmed	50-59	Multiple Races	Unknown	Suppressed	Suppressed
Confirmed	60-69	Multiple Races	Unknown	Suppressed	0
Confirmed	70-79	Multiple Races	Unknown	Suppressed	0
Confirmed	80+	Multiple Races	Unknown	0	0
Confirmed	Unknown	Multiple Races	Unknown	Suppressed	0
Confirmed	0-9	Other	Unknown	Suppressed	0
Confirmed	10-19	Other	Unknown	Suppressed	0
Confirmed	20-29	Other	Unknown	Suppressed	0
Confirmed	30-39	Other	Unknown	Suppressed	0
Confirmed	40-49	Other	Unknown	7	0
Confirmed	50-59	Other	Unknown	Suppressed	0
Confirmed	60-69	Other	Unknown	Suppressed	0
Confirmed	70-79	Other	Unknown	Suppressed	0
Confirmed	80+	Other	Unknown	0	0
Confirmed	Unknown	Other	Unknown	Suppressed	0
Confirmed	0-9	Unknown	Unknown	8	0
Confirmed	10-19	Unknown	Unknown	14	0
Confirmed	20-29	Unknown	Unknown	46	0
Confirmed	30-39	Unknown	Unknown	33	0
Confirmed	40-49	Unknown	Unknown	50	0
Confirmed	50-59	Unknown	Unknown	41	0
Confirmed	60-69	Unknown	Unknown	20	0

Confirmed	70-79	Unknown	Unknown	7	0
Confirmed	80+	Unknown	Unknown	7	0
Confirmed	Unknown	Unknown	Unknown	Suppressed	0
Confirmed	0-9	White	Unknown	0	0
Confirmed	10-19	White	Unknown	18	0
Confirmed	20-29	White	Unknown	22	0
Confirmed	30-39	White	Unknown	11	0
Confirmed	40-49	White	Unknown	8	0
Confirmed	50-59	White	Unknown	Suppressed	0
Confirmed	60-69	White	Unknown	11	0
Confirmed	70-79	White	Unknown	Suppressed	0
Confirmed	80+	White	Unknown	Suppressed	0
Confirmed	Unknown	White	Unknown	Suppressed	0
Probable	0-9	American Indian/Alaska Native	Female	Suppressed	0
Probable	10-19	American Indian/Alaska Native	Female	Suppressed	0
Probable	20-29	American Indian/Alaska Native	Female	11	0
Probable	30-39	American Indian/Alaska Native	Female	Suppressed	0
Probable	40-49	American Indian/Alaska Native	Female	Suppressed	0
Probable	50-59	American Indian/Alaska Native	Female	6	0
Probable	60-69	American Indian/Alaska Native	Female	Suppressed	0
Probable	70-79	American Indian/Alaska Native	Female	Suppressed	0
Probable	80+	American Indian/Alaska Native	Female	0	0
Probable	Unknown	American Indian/Alaska Native	Female	Suppressed	0
Probable	0-9	Asian/Pacific Islander	Female	9	0
Probable	10-19	Asian/Pacific Islander	Female	16	0
Probable	20-29	Asian/Pacific Islander	Female	30	0
Probable	30-39	Asian/Pacific Islander	Female	22	0
Probable	40-49	Asian/Pacific Islander	Female	13	0
Probable	50-59	Asian/Pacific Islander	Female	17	0
Probable	60-69	Asian/Pacific Islander	Female	6	0
Probable	70-79	Asian/Pacific Islander	Female	Suppressed	0
Probable	80+	Asian/Pacific Islander	Female	0	0
Probable	Unknown	Asian/Pacific Islander	Female	Suppressed	0
Probable	0-9	Black/African American	Female	35	0
Probable	10-19	Black/African American	Female	60	0
Probable	20-29	Black/African American	Female	130	0
Probable	30-39	Black/African American	Female	109	0
Probable	40-49	Black/African American	Female	133	Suppressed
Probable	50-59	Black/African American	Female	148	8
Probable	60-69	Black/African American	Female	119	12
Probable	70-79	Black/African American	Female	52	13
Probable	80+	Black/African American	Female	37	25
Probable	Unknown	Black/African American	Female	7	0
Probable	0-9	Multiple Races	Female	24	0
Probable	10-19	Multiple Races	Female	61	0
Probable	20-29	Multiple Races	Female	74	0
Probable	30-39	Multiple Races	Female	30	0
Probable	40-49	Multiple Races	Female	69	0
Probable	50-59	Multiple Races	Female	64	0
Probable	60-69	Multiple Races	Female	45	0

Probable	70-79	Multiple Races	Female	16	0
Probable	80+	Multiple Races	Female	7	Suppressed
Probable	Unknown	Multiple Races	Female	15	0
Probable	0-9	Other	Female	29	0
Probable	10-19	Other	Female	56	0
Probable	20-29	Other	Female	67	0
Probable	30-39	Other	Female	57	0
Probable	40-49	Other	Female	54	0
Probable	50-59	Other	Female	31	Suppressed
Probable	60-69	Other	Female	16	Suppressed
Probable	70-79	Other	Female	9	0
Probable	80+	Other	Female	Suppressed	0
Probable	Unknown	Other	Female	8	0
Probable	0-9	Unknown	Female	58	0
Probable	10-19	Unknown	Female	256	0
Probable	20-29	Unknown	Female	526	0
Probable	30-39	Unknown	Female	379	0
Probable	40-49	Unknown	Female	461	0
Probable	50-59	Unknown	Female	484	0
Probable	60-69	Unknown	Female	371	Suppressed
Probable	70-79	Unknown	Female	149	0
Probable	80+	Unknown	Female	89	Suppressed
Probable	Unknown	Unknown	Female	228	0
Probable	0-9	White	Female	214	0
Probable	10-19	White	Female	579	0
Probable	20-29	White	Female	786	0
Probable	30-39	White	Female	463	0
Probable	40-49	White	Female	577	Suppressed
Probable	50-59	White	Female	592	Suppressed
Probable	60-69	White	Female	361	17
Probable	70-79	White	Female	186	21
Probable	80+	White	Female	134	54
Probable	Unknown	White	Female	95	0
Probable	0-9	American Indian/Alaska Native	Male	Suppressed	0
Probable	10-19	American Indian/Alaska Native	Male	Suppressed	0
Probable	20-29	American Indian/Alaska Native	Male	Suppressed	0
Probable	30-39	American Indian/Alaska Native	Male	Suppressed	0
Probable	40-49	American Indian/Alaska Native	Male	Suppressed	0
Probable	50-59	American Indian/Alaska Native	Male	Suppressed	0
Probable	60-69	American Indian/Alaska Native	Male	Suppressed	0
Probable	70-79	American Indian/Alaska Native	Male	0	0
Probable	80+	American Indian/Alaska Native	Male	Suppressed	Suppressed
Probable	Unknown	American Indian/Alaska Native	Male	Suppressed	0
Probable	0-9	Asian/Pacific Islander	Male	15	0
Probable	10-19	Asian/Pacific Islander	Male	8	0
Probable	20-29	Asian/Pacific Islander	Male	27	0
Probable	30-39	Asian/Pacific Islander	Male	24	0
Probable	40-49	Asian/Pacific Islander	Male	10	0
Probable	50-59	Asian/Pacific Islander	Male	10	0
Probable	60-69	Asian/Pacific Islander	Male	Suppressed	0

Probable	70-79	Asian/Pacific Islander	Male	Suppressed	Suppressed
Probable	80+	Asian/Pacific Islander	Male	0	0
Probable	Unknown	Asian/Pacific Islander	Male	0	0
Probable	0-9	Black/African American	Male	37	0
Probable	10-19	Black/African American	Male	53	0
Probable	20-29	Black/African American	Male	82	0
Probable	30-39	Black/African American	Male	67	0
Probable	40-49	Black/African American	Male	66	8
Probable	50-59	Black/African American	Male	93	8
Probable	60-69	Black/African American	Male	94	21
Probable	70-79	Black/African American	Male	46	25
Probable	80+	Black/African American	Male	20	15
Probable	Unknown	Black/African American	Male	Suppressed	0
Probable	0-9	Multiple Races	Male	28	0
Probable	10-19	Multiple Races	Male	55	0
Probable	20-29	Multiple Races	Male	62	0
Probable	30-39	Multiple Races	Male	41	0
Probable	40-49	Multiple Races	Male	52	Suppressed
Probable	50-59	Multiple Races	Male	39	0
Probable	60-69	Multiple Races	Male	28	0
Probable	70-79	Multiple Races	Male	13	0
Probable	80+	Multiple Races	Male	Suppressed	Suppressed
Probable	Unknown	Multiple Races	Male	17	0
Probable	0-9	Other	Male	24	0
Probable	10-19	Other	Male	53	0
Probable	20-29	Other	Male	72	0
Probable	30-39	Other	Male	57	0
Probable	40-49	Other	Male	52	0
Probable	50-59	Other	Male	25	0
Probable	60-69	Other	Male	18	Suppressed
Probable	70-79	Other	Male	9	Suppressed
Probable	80+	Other	Male	Suppressed	0
Probable	Unknown	Other	Male	8	0
Probable	0-9	Unknown	Male	66	0
Probable	10-19	Unknown	Male	262	0
Probable	20-29	Unknown	Male	429	0
Probable	30-39	Unknown	Male	373	Suppressed
Probable	40-49	Unknown	Male	345	Suppressed
Probable	50-59	Unknown	Male	369	0
Probable	60-69	Unknown	Male	264	Suppressed
Probable	70-79	Unknown	Male	105	Suppressed
Probable	80+	Unknown	Male	47	Suppressed
Probable	Unknown	Unknown	Male	173	0
Probable	0-9	White	Male	246	0
Probable	10-19	White	Male	515	0
Probable	20-29	White	Male	696	Suppressed
Probable	30-39	White	Male	379	Suppressed
Probable	40-49	White	Male	378	Suppressed
Probable	50-59	White	Male	433	6
Probable	60-69	White	Male	301	15

Probable	70-79	White	Male	127	13
Probable	80+	White	Male	94	28
Probable	Unknown	White	Male	50	0
Probable	0-9	American Indian/Alaska Native	Unknown	0	0
Probable	10-19	American Indian/Alaska Native	Unknown	0	0
Probable	20-29	American Indian/Alaska Native	Unknown	Suppressed	0
Probable	30-39	American Indian/Alaska Native	Unknown	0	0
Probable	40-49	American Indian/Alaska Native	Unknown	0	0
Probable	50-59	American Indian/Alaska Native	Unknown	0	0
Probable	60-69	American Indian/Alaska Native	Unknown	0	0
Probable	70-79	American Indian/Alaska Native	Unknown	0	0
Probable	80+	American Indian/Alaska Native	Unknown	0	0
Probable	Unknown	American Indian/Alaska Native	Unknown	0	0
Probable	0-9	Asian/Pacific Islander	Unknown	0	0
Probable	10-19	Asian/Pacific Islander	Unknown	0	0
Probable	20-29	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	30-39	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	40-49	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	50-59	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	60-69	Asian/Pacific Islander	Unknown	0	0
Probable	70-79	Asian/Pacific Islander	Unknown	0	0
Probable	80+	Asian/Pacific Islander	Unknown	0	0
Probable	Unknown	Asian/Pacific Islander	Unknown	0	0
Probable	0-9	Black/African American	Unknown	0	0
Probable	10-19	Black/African American	Unknown	0	0
Probable	20-29	Black/African American	Unknown	Suppressed	0
Probable	30-39	Black/African American	Unknown	Suppressed	0
Probable	40-49	Black/African American	Unknown	Suppressed	0
Probable	50-59	Black/African American	Unknown	Suppressed	0
Probable	60-69	Black/African American	Unknown	Suppressed	0
Probable	70-79	Black/African American	Unknown	0	0
Probable	80+	Black/African American	Unknown	0	0
Probable	Unknown	Black/African American	Unknown	Suppressed	0
Probable	0-9	Multiple Races	Unknown	Suppressed	0
Probable	10-19	Multiple Races	Unknown	Suppressed	0
Probable	20-29	Multiple Races	Unknown	Suppressed	0
Probable	30-39	Multiple Races	Unknown	Suppressed	0
Probable	40-49	Multiple Races	Unknown	Suppressed	0
Probable	50-59	Multiple Races	Unknown	Suppressed	0
Probable	60-69	Multiple Races	Unknown	Suppressed	0
Probable	70-79	Multiple Races	Unknown	0	0
Probable	80+	Multiple Races	Unknown	0	0
Probable	Unknown	Multiple Races	Unknown	Suppressed	0
Probable	0-9	Other	Unknown	Suppressed	0
Probable	10-19	Other	Unknown	Suppressed	0
Probable	20-29	Other	Unknown	0	0
Probable	30-39	Other	Unknown	0	0
Probable	40-49	Other	Unknown	Suppressed	0
Probable	50-59	Other	Unknown	Suppressed	0
Probable	60-69	Other	Unknown	Suppressed	0

Probable	70-79	Other	Unknown	0	0
Probable	80+	Other	Unknown	0	0
Probable	Unknown	Other	Unknown	Suppressed	0
Probable	0-9	Unknown	Unknown	19	0
Probable	10-19	Unknown	Unknown	27	0
Probable	20-29	Unknown	Unknown	60	0
Probable	30-39	Unknown	Unknown	50	0
Probable	40-49	Unknown	Unknown	59	0
Probable	50-59	Unknown	Unknown	51	0
Probable	60-69	Unknown	Unknown	38	0
Probable	70-79	Unknown	Unknown	18	0
Probable	80+	Unknown	Unknown	Suppressed	0
Probable	Unknown	Unknown	Unknown	469	0
Probable	0-9	White	Unknown	9	0
Probable	10-19	White	Unknown	8	0
Probable	20-29	White	Unknown	12	0
Probable	30-39	White	Unknown	Suppressed	0
Probable	40-49	White	Unknown	11	0
Probable	50-59	White	Unknown	11	0
Probable	60-69	White	Unknown	Suppressed	0
Probable	70-79	White	Unknown	Suppressed	0
Probable	80+	White	Unknown	Suppressed	0
Probable	Unknown	White	Unknown	12	0

PUBLIC USE DATASETS

COVID-19 Tests by County

README

Data includes tests by type (diagnostic, serology or total combined) by county.

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Serology tests are used to look for the possibility of previous infection. Serology tests look for antibodies to SARS-CoV-2 in the blood. There are currently two types of serology tests: the enzyme-linked immunosorbent assay (ELISA) test and the rapid antibody detection POC test. Serology tests do not diagnose disease and do not guarantee immunity, but might provide information about previous infection.

Correctional includes state and federal prisons and county and city detection facilities. Testing data represents total tests performed, not individuals tested. A single individual may have more than one test completed.

COVID-19 TESTS BY COUNTY 2020-10-20

Updated	COUNTY	TestType	Count	RatePerMillion
2020/10/20 15:27:43	Alcona	Serology	71	6824
2020/10/20 15:27:43	Alcona	Diagnostic	2549	244978
2020/10/20 15:27:43	Alcona	Total	2620	251802
2020/10/20 15:27:43	Alger	Diagnostic	2027	222552
2020/10/20 15:27:43	Alger	Serology	94	10321
2020/10/20 15:27:43	Alger	Total	2121	232872
2020/10/20 15:27:43	Allegan	Serology	1167	9883
2020/10/20 15:27:43	Allegan	Diagnostic	40368	341867
2020/10/20 15:27:43	Allegan	Total	41535	351750
2020/10/20 15:27:43	Alpena	Diagnostic	3857	135786
2020/10/20 15:27:43	Alpena	Serology	233	8203
2020/10/20 15:27:43	Alpena	Total	4090	143989
2020/10/20 15:27:43	Antrim	Serology	220	9432
2020/10/20 15:27:43	Antrim	Diagnostic	6906	296090
2020/10/20 15:27:43	Antrim	Total	7126	305522
2020/10/20 15:27:43	Arenac	Diagnostic	4749	319089
2020/10/20 15:27:43	Arenac	Serology	187	12565
2020/10/20 15:27:43	Arenac	Total	4936	331654
2020/10/20 15:27:43	Baraga	Diagnostic	5988	729443
2020/10/20 15:27:43	Baraga	Serology	45	5482
2020/10/20 15:27:43	Baraga	Total	6033	734925
2020/10/20 15:27:43	Barry	Diagnostic	20903	339610
2020/10/20 15:27:43	Barry	Serology	854	13875
2020/10/20 15:27:43	Barry	Total	21757	353485
2020/10/20 15:27:43	Bay	Serology	2458	23835
2020/10/20 15:27:43	Bay	Diagnostic	42814	415162
2020/10/20 15:27:43	Bay	Total	45272	438997
2020/10/20 15:27:43	Benzie	Diagnostic	5361	301756
2020/10/20 15:27:43	Benzie	Serology	202	11370
2020/10/20 15:27:43	Benzie	Total	5563	313126
2020/10/20 15:27:43	Berrien	Diagnostic	83766	546059
2020/10/20 15:27:43	Berrien	Serology	2467	16082
2020/10/20 15:27:43	Berrien	Total	86233	562141
2020/10/20 15:27:43	Branch	Diagnostic	13040	299653
2020/10/20 15:27:43	Branch	Serology	184	4228
2020/10/20 15:27:43	Branch	Total	13224	303881
2020/10/20 15:27:43	Calhoun	Diagnostic	73377	546941
2020/10/20 15:27:43	Calhoun	Serology	877	6537
2020/10/20 15:27:43	Calhoun	Total	74254	553478
2020/10/20 15:27:43	Cass	Serology	308	5947
2020/10/20 15:27:43	Cass	Diagnostic	14743	284685
2020/10/20 15:27:43	Cass	Total	15051	290633
2020/10/20 15:27:43	Charlevoix	Serology	475	18169
2020/10/20 15:27:43	Charlevoix	Diagnostic	8367	320047
2020/10/20 15:27:43	Charlevoix	Total	8842	338217
2020/10/20 15:27:43	Cheboygan	Serology	225	8902
2020/10/20 15:27:43	Cheboygan	Diagnostic	4579	181160

2020/10/20 15:27:43	Cheboygan	Total	4804	190062
2020/10/20 15:27:43	Chippewa	Diagnostic	6501	174061
2020/10/20 15:27:43	Chippewa	Serology	137	3668
2020/10/20 15:27:43	Chippewa	Total	6638	177729
2020/10/20 15:27:43	Clare	Serology	391	12633
2020/10/20 15:27:43	Clare	Diagnostic	6144	198514
2020/10/20 15:27:43	Clare	Total	6535	211147
2020/10/20 15:27:43	Clinton	Serology	2665	33482
2020/10/20 15:27:43	Clinton	Diagnostic	21913	275306
2020/10/20 15:27:43	Clinton	Total	24578	308788
2020/10/20 15:27:43	Correctional	Diagnostic	156631	
2020/10/20 15:27:43	Correctional	Serology	11554	
2020/10/20 15:27:43	Correctional	Total	168185	
2020/10/20 15:27:43	Crawford	Diagnostic	3708	264310
2020/10/20 15:27:43	Crawford	Serology	105	7484
2020/10/20 15:27:43	Crawford	Total	3813	271794
2020/10/20 15:27:43	Delta	Serology	281	7853
2020/10/20 15:27:43	Delta	Diagnostic	15989	446820
2020/10/20 15:27:43	Delta	Total	16270	454672
2020/10/20 15:27:43	Detroit City	Serology	15861	24409
2020/10/20 15:27:43	Detroit City	Diagnostic	322679	496579
2020/10/20 15:27:43	Detroit City	Total	338540	520988
2020/10/20 15:27:43	Dickinson	Diagnostic	5260	208408
2020/10/20 15:27:43	Dickinson	Serology	72	2853
2020/10/20 15:27:43	Dickinson	Total	5332	211260
2020/10/20 15:27:43	Eaton	Serology	4070	36910
2020/10/20 15:27:43	Eaton	Diagnostic	46793	424357
2020/10/20 15:27:43	Eaton	Total	50863	461267
2020/10/20 15:27:43	Emmet	Serology	898	26874
2020/10/20 15:27:43	Emmet	Diagnostic	11047	330600
2020/10/20 15:27:43	Emmet	Total	11945	357474
2020/10/20 15:27:43	Genesee	Serology	11855	29213
2020/10/20 15:27:43	Genesee	Diagnostic	126030	310562
2020/10/20 15:27:43	Genesee	Total	137885	339775
2020/10/20 15:27:43	Gladwin	Diagnostic	6398	251405
2020/10/20 15:27:43	Gladwin	Serology	331	13006
2020/10/20 15:27:43	Gladwin	Total	6729	264411
2020/10/20 15:27:43	Gogebic	Diagnostic	9473	677853
2020/10/20 15:27:43	Gogebic	Serology	114	8157
2020/10/20 15:27:43	Gogebic	Total	9587	686011
2020/10/20 15:27:43	Grand Traverse	Serology	1757	18875
2020/10/20 15:27:43	Grand Traverse	Diagnostic	29382	315637
2020/10/20 15:27:43	Grand Traverse	Total	31139	334511
2020/10/20 15:27:43	Gratiot	Diagnostic	20730	509199
2020/10/20 15:27:43	Gratiot	Serology	466	11447
2020/10/20 15:27:43	Gratiot	Total	21196	520646
2020/10/20 15:27:43	Hillsdale	Diagnostic	14949	327793
2020/10/20 15:27:43	Hillsdale	Serology	356	7806
2020/10/20 15:27:43	Hillsdale	Total	15305	335599
2020/10/20 15:27:43	Houghton	Diagnostic	15639	438264

2020/10/20 15:27:43	Houghton	Serology	154	4316
2020/10/20 15:27:43	Houghton	Total	15793	442579
2020/10/20 15:27:43	Huron	Serology	306	9877
2020/10/20 15:27:43	Huron	Diagnostic	11551	372841
2020/10/20 15:27:43	Huron	Total	11857	382718
2020/10/20 15:27:43	Ingham	Serology	13969	47773
2020/10/20 15:27:43	Ingham	Diagnostic	132184	452056
2020/10/20 15:27:43	Ingham	Total	146153	499829
2020/10/20 15:27:43	Ionia	Serology	1180	18239
2020/10/20 15:27:43	Ionia	Diagnostic	27756	429015
2020/10/20 15:27:43	Ionia	Total	28936	447254
2020/10/20 15:27:43	Iosco	Serology	225	8955
2020/10/20 15:27:43	Iosco	Diagnostic	9244	367891
2020/10/20 15:27:43	Iosco	Total	9469	376846
2020/10/20 15:27:43	Iron	Diagnostic	9644	871498
2020/10/20 15:27:43	Iron	Serology	36	3253
2020/10/20 15:27:43	Iron	Total	9680	874751
2020/10/20 15:27:43	Isabella	Diagnostic	16547	236819
2020/10/20 15:27:43	Isabella	Serology	614	8787
2020/10/20 15:27:43	Isabella	Total	17161	245606
2020/10/20 15:27:43	Jackson	Diagnostic	81701	515431
2020/10/20 15:27:43	Jackson	Serology	1662	10485
2020/10/20 15:27:43	Jackson	Total	83363	525916
2020/10/20 15:27:43	Kalamazoo	Diagnostic	107962	407302
2020/10/20 15:27:43	Kalamazoo	Serology	3458	13046
2020/10/20 15:27:43	Kalamazoo	Total	111420	420348
2020/10/20 15:27:43	Kalkaska	Diagnostic	7462	413682
2020/10/20 15:27:43	Kalkaska	Serology	180	9979
2020/10/20 15:27:43	Kalkaska	Total	7642	423661
2020/10/20 15:27:43	Kent	Serology	19154	29156
2020/10/20 15:27:43	Kent	Diagnostic	318172	484313
2020/10/20 15:27:43	Kent	Total	337326	513469
2020/10/20 15:27:43	Keweenaw	Diagnostic	769	363422
2020/10/20 15:27:43	Keweenaw	Serology	18	8507
2020/10/20 15:27:43	Keweenaw	Total	787	371928
2020/10/20 15:27:43	Lake	Diagnostic	4190	353497
2020/10/20 15:27:43	Lake	Serology	125	10546
2020/10/20 15:27:43	Lake	Total	4315	364043
2020/10/20 15:27:43	Lapeer	Diagnostic	22914	261554
2020/10/20 15:27:43	Lapeer	Serology	1742	19884
2020/10/20 15:27:43	Lapeer	Total	24656	281439
2020/10/20 15:27:43	Leelanau	Diagnostic	5081	233491
2020/10/20 15:27:43	Leelanau	Serology	297	13648
2020/10/20 15:27:43	Leelanau	Total	5378	247139
2020/10/20 15:27:43	Lenawee	Diagnostic	33137	336584
2020/10/20 15:27:43	Lenawee	Serology	953	9680
2020/10/20 15:27:43	Lenawee	Total	34090	346264
2020/10/20 15:27:43	Livingston	Serology	4844	25230
2020/10/20 15:27:43	Livingston	Diagnostic	69279	360838
2020/10/20 15:27:43	Livingston	Total	74123	386067

2020/10/20 15:27:43	Luce	Diagnostic	2139	343394
2020/10/20 15:27:43	Luce	Serology	35	5619
2020/10/20 15:27:43	Luce	Total	2174	349013
2020/10/20 15:27:43	Mackinac	Diagnostic	2984	276322
2020/10/20 15:27:43	Mackinac	Serology	61	5649
2020/10/20 15:27:43	Mackinac	Total	3045	281971
2020/10/20 15:27:43	Macomb	Serology	31061	35540
2020/10/20 15:27:43	Macomb	Diagnostic	288026	329560
2020/10/20 15:27:43	Macomb	Total	319087	365100
2020/10/20 15:27:43	Manistee	Serology	367	14944
2020/10/20 15:27:43	Manistee	Diagnostic	6449	262603
2020/10/20 15:27:43	Manistee	Total	6816	277547
2020/10/20 15:27:43	Marquette	Diagnostic	42634	639200
2020/10/20 15:27:43	Marquette	Serology	960	14393
2020/10/20 15:27:43	Marquette	Total	43594	653593
2020/10/20 15:27:43	Mason	Diagnostic	12571	431341
2020/10/20 15:27:43	Mason	Serology	498	17088
2020/10/20 15:27:43	Mason	Total	13069	448428
2020/10/20 15:27:43	Mecosta	Diagnostic	15925	366488
2020/10/20 15:27:43	Mecosta	Serology	499	11484
2020/10/20 15:27:43	Mecosta	Total	16424	377972
2020/10/20 15:27:43	Menominee	Diagnostic	7242	317910
2020/10/20 15:27:43	Menominee	Serology	45	1975
2020/10/20 15:27:43	Menominee	Total	7287	319886
2020/10/20 15:27:43	Midland	Serology	2307	27743
2020/10/20 15:27:43	Midland	Diagnostic	17120	205878
2020/10/20 15:27:43	Midland	Total	19427	233621
2020/10/20 15:27:43	Missaukee	Diagnostic	3726	246461
2020/10/20 15:27:43	Missaukee	Serology	146	9657
2020/10/20 15:27:43	Missaukee	Total	3872	256119
2020/10/20 15:27:43	Monroe	Diagnostic	47140	313223
2020/10/20 15:27:43	Monroe	Serology	2662	17688
2020/10/20 15:27:43	Monroe	Total	49802	330910
2020/10/20 15:27:43	Montcalm	Diagnostic	27699	433556
2020/10/20 15:27:43	Montcalm	Serology	1132	17719
2020/10/20 15:27:43	Montcalm	Total	28831	451274
2020/10/20 15:27:43	Montmorency	Diagnostic	1870	200472
2020/10/20 15:27:43	Montmorency	Serology	150	16081
2020/10/20 15:27:43	Montmorency	Total	2020	216552
2020/10/20 15:27:43	Muskegon	Diagnostic	78157	450301
2020/10/20 15:27:43	Muskegon	Serology	1575	9074
2020/10/20 15:27:43	Muskegon	Total	79732	459376
2020/10/20 15:27:43	Newaygo	Diagnostic	17576	358840
2020/10/20 15:27:43	Newaygo	Serology	786	16047
2020/10/20 15:27:43	Newaygo	Total	18362	374888
2020/10/20 15:27:43	Oakland	Diagnostic	469741	373527
2020/10/20 15:27:43	Oakland	Serology	68365	54362
2020/10/20 15:27:43	Oakland	Total	538106	427889
2020/10/20 15:27:43	Oceana	Diagnostic	15453	583859
2020/10/20 15:27:43	Oceana	Serology	409	15453

2020/10/20 15:27:43	Oceana	Total	15862	599312
2020/10/20 15:27:43	Ogemaw	Serology	199	9478
2020/10/20 15:27:43	Ogemaw	Diagnostic	5686	270801
2020/10/20 15:27:43	Ogemaw	Total	5885	280278
2020/10/20 15:27:43	Ontonagon	Diagnostic	3605	630245
2020/10/20 15:27:43	Ontonagon	Serology	32	5594
2020/10/20 15:27:43	Ontonagon	Total	3637	635839
2020/10/20 15:27:43	Osceola	Serology	363	15473
2020/10/20 15:27:43	Osceola	Diagnostic	9662	411850
2020/10/20 15:27:43	Osceola	Total	10025	427323
2020/10/20 15:27:43	Oscoda	Diagnostic	1892	229584
2020/10/20 15:27:43	Oscoda	Serology	89	10800
2020/10/20 15:27:43	Oscoda	Total	1981	240383
2020/10/20 15:27:43	Otsego	Serology	329	13337
2020/10/20 15:27:43	Otsego	Diagnostic	5369	217650
2020/10/20 15:27:43	Otsego	Total	5698	230988
2020/10/20 15:27:43	Ottawa	Serology	5736	19655
2020/10/20 15:27:43	Ottawa	Diagnostic	131840	451770
2020/10/20 15:27:43	Ottawa	Total	137576	471425
2020/10/20 15:27:43	Presque Isle	Diagnostic	2493	197983
2020/10/20 15:27:43	Presque Isle	Serology	154	12230
2020/10/20 15:27:43	Presque Isle	Total	2647	210213
2020/10/20 15:27:43	Roscommon	Diagnostic	7421	308964
2020/10/20 15:27:43	Roscommon	Serology	324	13489
2020/10/20 15:27:43	Roscommon	Total	7745	322453
2020/10/20 15:27:43	Saginaw	Serology	2877	15099
2020/10/20 15:27:43	Saginaw	Diagnostic	95929	503461
2020/10/20 15:27:43	Saginaw	Total	98806	518561
2020/10/20 15:27:43	Sanilac	Diagnostic	15244	370270
2020/10/20 15:27:43	Sanilac	Serology	515	12509
2020/10/20 15:27:43	Sanilac	Total	15759	382779
2020/10/20 15:27:43	Schoolcraft	Serology	46	5683
2020/10/20 15:27:43	Schoolcraft	Diagnostic	2179	269212
2020/10/20 15:27:43	Schoolcraft	Total	2225	274895
2020/10/20 15:27:43	Shiawassee	Serology	1609	23619
2020/10/20 15:27:43	Shiawassee	Diagnostic	25231	370380
2020/10/20 15:27:43	Shiawassee	Total	26840	393999
2020/10/20 15:27:43	St Clair	Diagnostic	43150	271165
2020/10/20 15:27:43	St Clair	Serology	4395	27619
2020/10/20 15:27:43	St Clair	Total	47545	298785
2020/10/20 15:27:43	St Joseph	Diagnostic	22022	361230
2020/10/20 15:27:43	St Joseph	Serology	773	12680
2020/10/20 15:27:43	St Joseph	Total	22795	373909
2020/10/20 15:27:43	Tuscola	Diagnostic	25072	479893
2020/10/20 15:27:43	Tuscola	Serology	796	15236
2020/10/20 15:27:43	Tuscola	Total	25868	495129
2020/10/20 15:27:43	Unknown	Diagnostic	241256	
2020/10/20 15:27:43	Unknown	Serology	19582	
2020/10/20 15:27:43	Unknown	Total	260838	
2020/10/20 15:27:43	Van Buren	Serology	727	9607

2020/10/20 15:27:43	Van Buren	Diagnostic	35995	475640
2020/10/20 15:27:43	Van Buren	Total	36722	485247
2020/10/20 15:27:43	Washtenaw	Diagnostic	180532	491109
2020/10/20 15:27:43	Washtenaw	Serology	11039	30030
2020/10/20 15:27:43	Washtenaw	Total	191571	521138
2020/10/20 15:27:43	Wayne	Diagnostic	491799	445546
2020/10/20 15:27:43	Wayne	Serology	45213	40961
2020/10/20 15:27:43	Wayne	Total	537012	486507
2020/10/20 15:27:43	Wexford	Diagnostic	10405	309387
2020/10/20 15:27:43	Wexford	Serology	362	10764
2020/10/20 15:27:43	Wexford	Total	10767	320151

PUBLIC USE DATASETS

Diagnostic Tests by Result and County

README

Data include diagnostic tests for COVID-19 by date and county.

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Correctional includes state and federal prisons and county and city detention facilities. Testing data represents total tests performed, not individuals tested. A single individual may have more than one test completed.

The total number of positive tests may exceed the number of confirmed cases due to 1) a single individual may have more than one test performed; 2) MDHHS may receive data on positive tests in advance of a local health department classifying an individual as a confirmed or probable case, and 3) although efforts have been made to deduplicate testing data, some duplication may occur.

DIAGNOSTIC TESTS BY RESULT AND COUNTY 2020-10-20

MessageDate	COUNTY	Negative	Positive	Total
10/19/2020	Alcona	32	1	33
10/19/2020	Alger	187	2	189
10/19/2020	Allegan	341	24	365
10/19/2020	Alpena	313	1	314
10/19/2020	Antrim	73	0	73
10/19/2020	Arenac	86	0	86
10/19/2020	Baraga	102	12	114
10/19/2020	Barry	140	13	153
10/19/2020	Bay	216	7	223
10/19/2020	Benzie	42	0	42
10/19/2020	Berrien	670	55	725
10/19/2020	Branch	100	11	111
10/19/2020	Calhoun	1021	56	1077
10/19/2020	Cass	206	11	217
10/19/2020	Charlevoix	40	0	40
10/19/2020	Cheboygan	138	3	141
10/19/2020	Chippewa	200	2	202
10/19/2020	Clare	232	5	237
10/19/2020	Clinton	108	5	113
10/19/2020	Correctional	2596	57	2653
10/19/2020	Crawford	30	2	32
10/19/2020	Delta	72	3	75
10/19/2020	Detroit City	2239	59	2298
10/19/2020	Dickinson	34	9	43
10/19/2020	Eaton	368	30	398
10/19/2020	Emmet	123	2	125
10/19/2020	Genesee	2252	139	2391
10/19/2020	Gladwin	29	2	31
10/19/2020	Gogebic	13	4	17
10/19/2020	Grand Traverse	732	17	749
10/19/2020	Gratiot	122	4	126
10/19/2020	Hillsdale	69	10	79
10/19/2020	Houghton	939	75	1014
10/19/2020	Huron	119	1	120
10/19/2020	Ingham	1555	46	1601
10/19/2020	Ionia	113	10	123
10/19/2020	Iosco	313	1	314
10/19/2020	Iron	102	6	108
10/19/2020	Isabella	209	5	214
10/19/2020	Jackson	639	28	667
10/19/2020	Kalamazoo	1277	49	1326
10/19/2020	Kalkaska	40	1	41
10/19/2020	Kent	2692	233	2925
10/19/2020	Keweenaw	14	1	15
10/19/2020	Lake	39	4	43
10/19/2020	Lapeer	206	8	214
10/19/2020	Leelanau	163	2	165

10/19/2020	Lenawee	610	32	642
10/19/2020	Livingston	1243	54	1297
10/19/2020	Luce	6	2	8
10/19/2020	Mackinac	28	3	31
10/19/2020	Macomb	2873	192	3065
10/19/2020	Manistee	66	1	67
10/19/2020	Marquette	503	52	555
10/19/2020	Mason	257	7	264
10/19/2020	Mecosta	151	11	162
10/19/2020	Menominee	64	3	67
10/19/2020	Midland	245	12	257
10/19/2020	Missaukee	25	2	27
10/19/2020	Monroe	997	46	1043
10/19/2020	Montcalm	214	14	228
10/19/2020	Montmorency	102	0	102
10/19/2020	Muskegon	441	36	477
10/19/2020	Newaygo	83	12	95
10/19/2020	Oakland	5686	331	6017
10/19/2020	Oceana	73	5	78
10/19/2020	Ogemaw	166	0	166
10/19/2020	Ontonagon	26	1	27
10/19/2020	Osceola	80	4	84
10/19/2020	Oscoda	64	1	65
10/19/2020	Otsego	214	5	219
10/19/2020	Ottawa	1154	82	1236
10/19/2020	Presque Isle	164	3	167
10/19/2020	Roscommon	152	2	154
10/19/2020	Saginaw	969	30	999
10/19/2020	Sanilac	127	4	131
10/19/2020	Schoolcraft	10	1	11
10/19/2020	Shiawassee	243	16	259
10/19/2020	St Clair	997	15	1012
10/19/2020	St Joseph	157	5	162
10/19/2020	Tuscola	399	17	416
10/19/2020	Unknown	395	31	426
10/19/2020	Van Buren	190	7	197
10/19/2020	Washtenaw	2068	99	2167
10/19/2020	Wayne	5580	298	5878
10/19/2020	Wexford	75	2	77